

Data File : VU033765.D  
Acq On : 12 Aug 2019 12:19  
Operator : JC/SP  
Sample : K4202-13DL 10X  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
F2B31DL

Quant Time: Aug 12 16:47:55 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM080919WMA.M  
Quant Title : VOC Analysis  
QLast Update : Mon Aug 12 16:26:52 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.86  | 114  | 339963   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.07  | 117  | 326927   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.47 | 152  | 136257   | 50.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |         |       |          |          |      |          |
|--------------------------------|---------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 1.39    | 65    | 146629   | 58.59    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 117.18%  |
| 7) Chloroethane-d5             | 1.67    | 69    | 145847   | 58.15    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 116.30%  |
| 11) 1,1-Dichloroethene-d2      | 2.26    | 63    | 196841   | 46.78    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 93.56%   |
| 21) 2-Butanone-d5              | 4.15    | 46    | 214543   | 138.29   | ug/L | 0.00     |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 138.29%# |
| 24) Chloroform-d               | 4.62    | 84    | 254203   | 68.37    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 136.74%# |
| 26) 1,2-Dichloroethane-d4      | 5.29    | 65    | 166069   | 71.43    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 142.86%# |
| 32) Benzene-d6                 | 5.32    | 84    | 493469   | 63.96    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 127.92%# |
| 36) 1,2-Dichloropropane-d6     | 6.31    | 67    | 167045   | 70.55    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 141.10%# |
| 41) Toluene-d8                 | 7.55    | 98    | 410133   | 56.52    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 113.04%  |
| 43) trans-1,3-Dichloropropene- | 7.83    | 79    | 71822    | 60.07    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 120.14%  |
| 47) 2-Hexanone-d5              | 8.30    | 63    | 145163   | 118.36   | ug/L | 0.00     |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 118.36%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.41   | 84    | 238972   | 68.23    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 136.46%# |
| 64) 1,2-Dichlorobenzene-d4     | 11.84   | 152   | 155922   | 67.99    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 135.98%# |

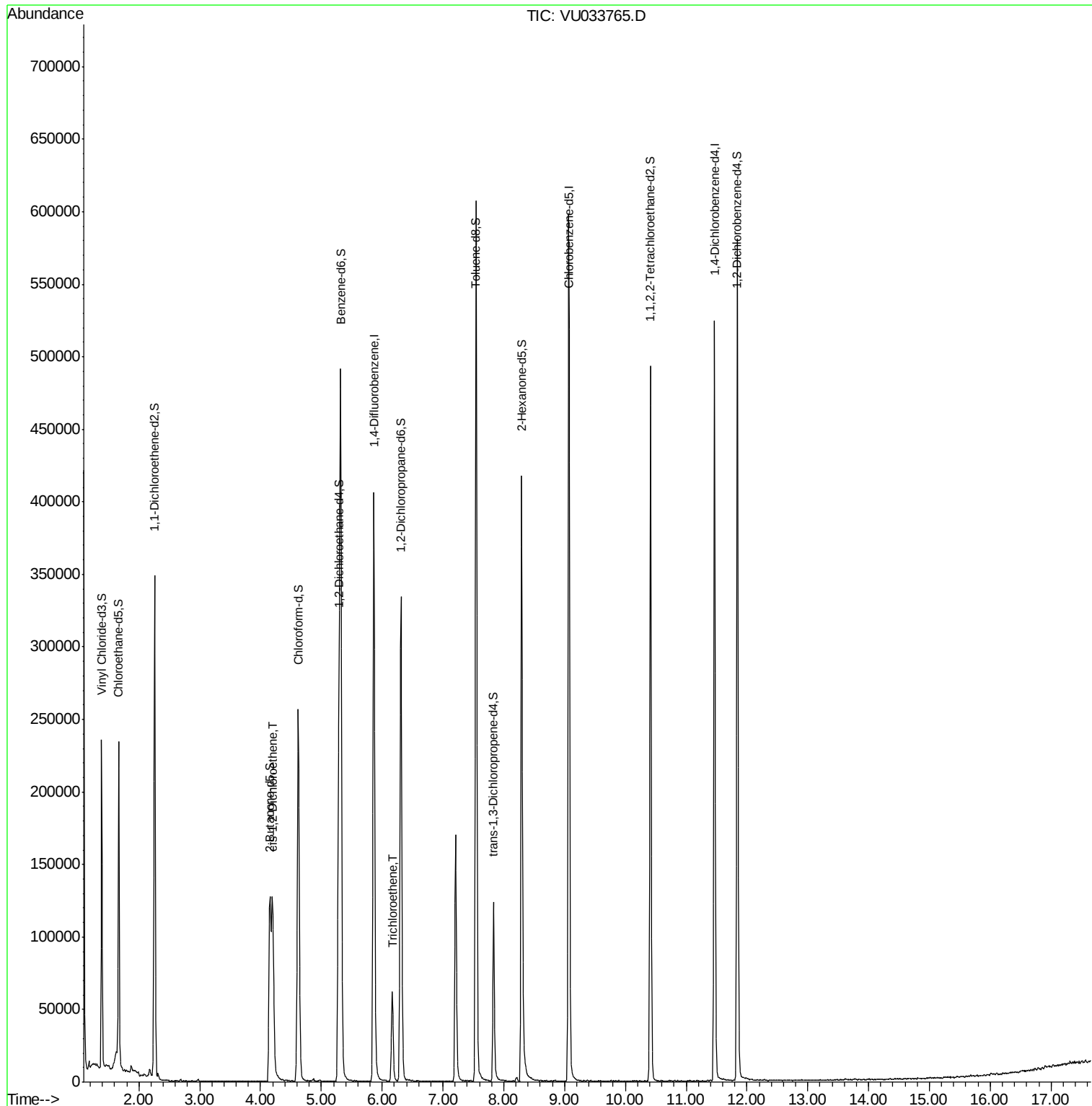
| Target Compounds           |      |    |       |             | Qvalue |
|----------------------------|------|----|-------|-------------|--------|
| 20) cis-1,2-Dichloroethene | 4.20 | 96 | 63467 | 25.970 ug/L | 99     |
| 34) Trichloroethene        | 6.17 | 95 | 21524 | 8.966 ug/L  | 96     |

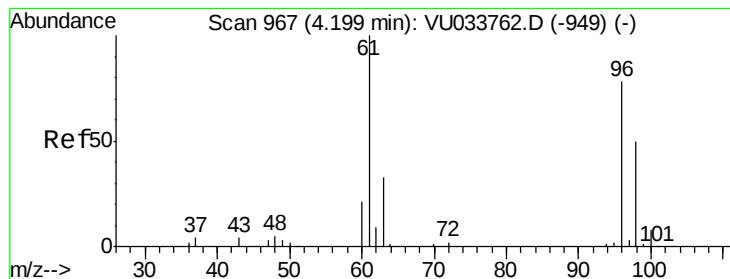
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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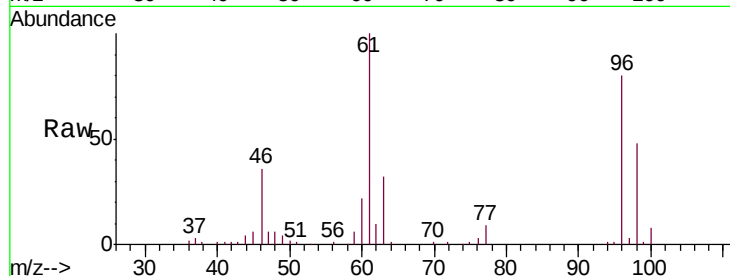


#20

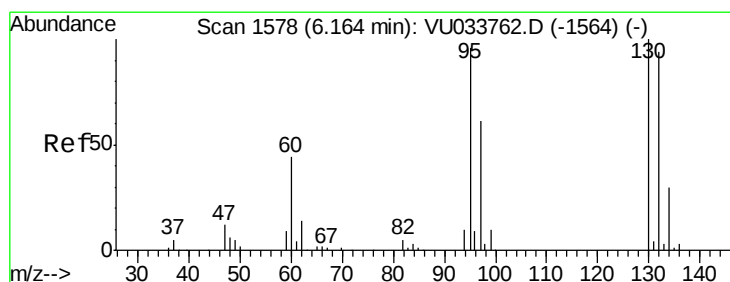
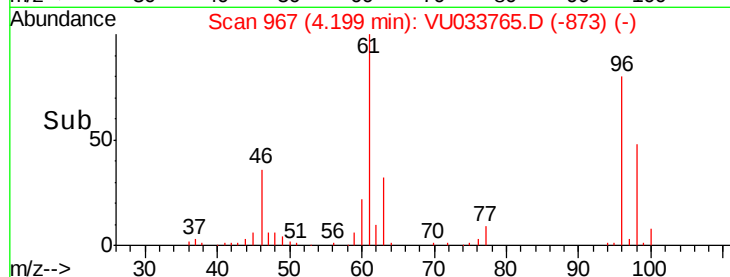
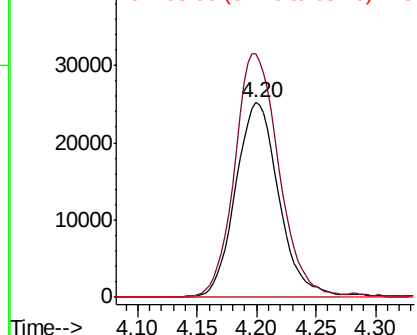
cis-1,2-Dichloroethene  
Concen: 25.970 ug/L  
RT: 4.20 min Scan# 967  
Delta R.T. 0.00 min  
Lab File: VU033765.D  
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Instrument :  
MSVOA\_U  
ClientSampleId :  
F2B31DL

Tgt Ion: 96 Resp: 63467  
Ion Ratio Lower Upper  
96 100  
61 125.1 87.0 161.6  
68 0.0 0.0 0.0



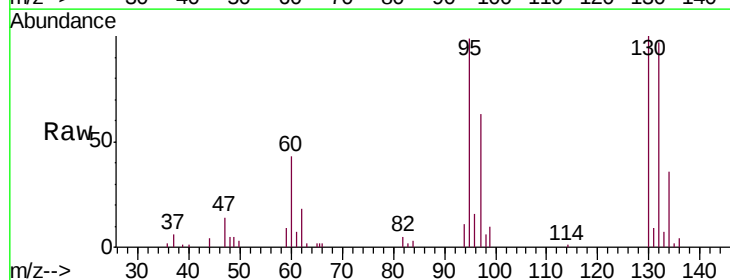
Abundance Ion 96.00 (95.70 to 96.70): VU0  
Ion 61.00 (60.70 to 61.70): VU0  
Ion 68.00 (67.70 to 68.70): VU0



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Trichloroethene  
Concen: 8.966 ug/L  
RT: 6.17 min Scan# 1579  
Delta R.T. 0.00 min  
Lab File: VU033765.D  
Acq: 12 Aug 2019 12:19

Tgt Ion: 95 Resp: 21524  
Ion Ratio Lower Upper  
95 100  
97 63.2 45.6 84.8  
132 98.2 72.0 133.8  
130 100.7 74.3 138.1



Abundance Ion 95.00 (94.70 to 95.70): VU0  
Ion 97.00 (96.70 to 97.70): VU0  
Ion 132.00 (131.70 to 132.70): V  
Ion 130.00 (129.70 to 130.70): V

